

## State Injury Indicators



### Motor Vehicle Traffic Hospitalizations

Category:	Motor Vehicle Indicators
Demographic Group:	All residents.
Numerator:	Hospitalizations with any of the following ICD-9-CM E-codes identified from the injury hospital discharge subset: E810–E819 (Motor vehicle traffic accidents).
Denominator:	Midyear population for the calendar year under surveillance.
Measures of Frequency:	Annual number of persons hospitalized. Annual incidence—crude and age-adjusted (standardized by the direct method to the year 2000 standard U.S. population).
Period for Case Definition:	Calendar year.
Background:	In 2005, motor vehicle crashes were the cause of more than 4.3 million emergency department visits in the United States.* It is estimated that front seat occupants who use lap/shoulder belts reduce their risk for fatal injury by about 45% and for moderate to critical injury by 45% to 50%.**
Limitations of Indicator:	Injuries that result in a hospital admission represent only a portion of the overall burden of injury. Evaluations of these injuries should be considered in the context of both less- and more-severe injuries.
Data Resources:	State hospital discharge data (numerator) and population estimates from the U.S. Census Bureau or suitable alternative (denominator).
Limitations of Data Resources:	The accuracy of indicators based on codes found in hospital discharge data is limited by the completeness and quality of coding. The overall completeness of e-coding is of particular concern and should be reviewed in conjunction with the indicator.
Healthy People 2010 Objectives:	15–17: Reduce nonfatal injuries caused by motor vehicle crashes 15–18: Reduce nonfatal pedestrian injuries on public roads 26–1: Reduce deaths and injuries caused by alcohol- and drug-related motor vehicle crashes
CDC's Health Protection Goals:	Healthy People in Every Stage of Life: Achieve Healthy Independence Healthy People in Every Stage of Life: Live a Healthy, Productive, and Satisfying Life Healthy People in Every Stage of Life: Live Better, Longer Healthy People in Healthy Places:

\*Centers for Disease Control and Prevention, National Center for Injury Prevention and Control. Web-based Injury Statistics Query and Reporting System (WISQARS) [online]. (2005) [cited 2006 Dec 7]. Available from URL: [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). \*\*Department of Transportation (US). National Highway Traffic Safety Administration. Traffic safety facts 1999 occupant protection; 2000; Publication No.: DOT HS 809 090. [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars)